II

THE RURAL DISTRICT OF KERRIER

ANNUAL REPORT

of the

Medical Officer of Health

1968

CONTENTS

		PAGE
MEMBERS OF HEALTH COMMITTEE		
PREFACE		1
SECTION 'A'	STATISTICS OF THE AREA	
	1 Physical and Social	4
	2 Vital	7
	3 Summary Area Statistics	10
SECTION 'B'	HEALTH SERVICES IN THE AREA	
	1 Local Sanitary Authority	12
	2 Local Health Authority	15
	3 (a) Hospitals	22
	(b) Clinics	23
	4 General Practitioners	23
	5 Mass X-ray Unit	24
	6 Blood Transfusion	24
SECTION 'C'	ENVIRONMENTAL HYGIENE	
	Water Supplies and Sampling	25
	Fluoridation of Water Supplies	25
	Drainage and Sewerage	26
	Public Conveniences	26
	Cesspool Emptying	27
	Refuse Disposal	27
	Rodent Control	27
	Disinfection and Disinfestation of Houses	28
	Anthrax	28
	Diseases of Animals Act, 1950	28
	Animal Boarding Establishments	28
	Petroleum Regulations	28
	Offices, Shops and Railway Premises Act, 1963	28
	Details of Inspections Carried Out	28
	Public Health Act, 1936	29
	Factories Act, 1937	29
	Civic Amenities Act, 1967	31
	Beach Control	31
SECTION 'D'	HOUSING	
	House Improvements	34
	House Demolition	35
	Overcrowding	36
	Caravan Sites	37
	Chalet Sites	38
	Tent Sites	39
	Building Regulations	39
	Legal Searches	39

CONTENTS (Continued)

		PAGE
SECTION 'E'	FOOD HYGIENE	
	Food Hygiene	40
	Meat Inspection	40
	Ice Cream Control	41
	Premises	41
	Food Condemnations	42
SECTION 'F'	GENERAL EPIDEMIOLOGY	
	Notifiable Diseases	43
	Tuberculosis	44
	B.C.G. Vaccinations	45
	Tables	46

Dr. J. A. W. Reid, M.B., Ch.B., D.P.H., M.R.S.H.
Medical Officer of Health

Mr. R. Colley, M.A.P.H.I.
Chief Public Health Inspector

HEALTH COMMITTEE - 1968/1969

Chairman:- Councillor C. Richards

Vice-Chairman:- Councillor W. H. Coates

Councillor G.H. Beare
Councillor Rev. R.G.L. Beazeley
Councillor M.H. Christophers
Councillor J.N. Eva
Councillor W. Eva
Councillor A.E. Freeman
Councillor J.V. Geach
Councillor H. Gover
Councillor L.P. Hammill
Councillor T.J. Kendall
Councillor T.W. Lugg
Councillor S.J.C. Moyle
Councillor B.T. Newton
Councillor R. Pascoe
Councillor R.R. Phillips
Councillor W. Prowse
Councillor H.C. Shorter
Councillor R.O. Stead
Councillor W.E. Thomas
Councillor D.H. Tiddy
Councillor Mrs. K.L. Trevaskis
Councillor C.J. Trewin

NO. 2 AREA HEALTH SUB-COMMITTEE

Councillor S.J.C. Moyle
Councillor L. Richards
Councillor H.C. Shorter

Public Health Department,
The Willows,
HELSTON.

PREFACE

June, 1969

To the Chairman and Members of the Rural District Council

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in presenting the Annual Report of the Medical Officer of Health for the year 1968 in accordance with regulations 5(3) and 15(3) of the Public Health Officers (Outside London) Regulations, 1959.

The population has remained static there being 60 more persons residing in the Rural District than last year's figure of 23,120 and the natural increase dropped from 45 to 29. Both births and deaths fell compared with last year. The fall in the national birth rate was reflected in Kerrier Rural District. The Stillborn rate was higher than the figure for England and Wales, but the number of stillbirths fell from 7 in 1967 to 6 in 1968. The illegitimacy rate rose from 6.7% of live births last year to 8%, but no deaths occurred in illegitimate pregnancies. There were no maternal deaths but four infants died before their first birthday. Two infant deaths from birth injury were responsible for the rise in perinatal mortality (stillbirths and deaths under one week) which was higher than the national figure of 25. The percentage of domiciliary deliveries continued to drop from last year's figure of 24% to 19%. The hospital deliveries were equally distributed between Redruth Hospital and Bolitho Nursing Home, Penzance, but during the last six months of the year more mothers were being delivered in Treliske Hospital, Truro. Nearly 60% of Kerrier residents died from heart disease. The second most frequent cause of death was cancer which accounted for 20% of deaths, the sex distribution of these deaths was 26 males and 25 females and the site most frequently affected was the lung and bronchus, being 31% of all cancer deaths. Four times as many men died from lung cancer as women. Five years ago the second most frequent cause of death was cardio-vascular disease of the central nervous system, but in 1966 it was overtaken by cancer. With the passing of each year it is more and more apparent that the heavy smoker has less chance of good health and a long life.

Some progress has been made in the provision of public conveniences in the coastal areas where the summer demand is high and plans are ready for expanding existing toilets at the Lizard and Prah Sands, but the older toilets at Mullion and Cadgwith need improving. The problems of intensive pig and poultry breeding were being investigated during the year and co-operation received from the owners of these businesses. While much can be accomplished by persuasion the increasing use of factory farming methods will need more precise legislation to give really effective control. The bulk of routine sanitary inspections dealt with during the year were housing defects, meat inspection, drainage and public health nuisances,

water sampling and refuse collection.

The important health hazard of beach and cliff safety was highlighted by the Conference held in Plymouth in November of all parties having an interest in this growing problem. The need for a uniform and sustained effort by all Local Authorities in providing safety measures and educating the visiting public in the substantial dangers is underlined by the total of 41 deaths from drowning in Cornwall and Devon in 1968; 27 being visitors and 14 were local inhabitants. In the same period 100 people were rescued around the coast of the two counties largely due to the efforts of Beach Lifeguards. A further 55 people were rescued after being cut off by the tide. Analysis of the 41 drownings showed that half of the deaths occurred in circumstances which would make it impossible to do anything to help the victim and there were several boating fatalities where, had the victims been wearing life jackets, it is likely that they would have been saved. Obviously much effort still remains to be made to instil the basic principles of safety in holiday visitors and those using the sea for recreational purposes. During the last 10 years 127 persons have been drowned on Cornish beaches, two of these being in Kerrier Rural District during times when the beaches were unmanned by Lifeguards.

At the end of September, the Department of Health and Social Security integrated the Helston Office with the Penzance Office. Consequently separate figures showing the sickness claims received from persons in the Helston area are no longer available. At the end of the year the task of transferring the immunisation and vaccination records held individually in the area office to the computer at County Hall began. At the time of writing this report it was suggested that the County Court at Helston should discontinue and that in future Courts would be held at Truro or Penzance. These changes clearly forewarn of the re-organisation of Local Government which will eliminate many thriving authorities serving their communities. While opinion generally agrees that rationalisation of the present structure of local government is necessary, field staff in the health and social services clearly see the dangers of too remote control of services from the communities which they serve. The every day health and welfare problems of the family begin and end in that persons home and the success or failure of the service will be judged by the help which can be given there immediately the need arises. It is important that the task of re-shaping the health and welfare administration should be viewed from this end of the telescope and less from the London Ministries with their slide-rules and ordnance maps.

1968 must go on record as one of consolidation of health services locally and one of discussion nationally. The economic situation in the country dictated that services could not be expanded, but the Rural District was fortunate in having it's full complement of Public Health Inspectors in these days of national shortage of Health Department staff. The national discussion of health matters began in the summer with the simultaneous publication of the Green Paper on the Administration Structure of the Medical and Related Services in the National Health Service, and the Seebohm Report of the Committee on Local Authority and Allied Personal Social Services. The latter put forward the view that a new Social Services Department

should be set up in Local Government while the former suggested unifying the three parts of the National Health Service through Area Boards administrated out with Local Government. Then, in November the Department of Health and Social Security came into being. Thus these proposals and the re-organised Central Ministry would mean the Health and Social Services were unified at ministry level but split between Local Government and Area Board Administration at the periphery. The present position is that a new Green Paper is being prepared which will have to be read in conjunction with the Seebohm Report, the Todd Commission on Medical Education and the Maud Report on Local Government Re-organisation.

In presenting my ninth Annual Report for your district I wish to express my thanks for the support of the Chairman of the Committee, Members of the Committee, Officers of the Council and for the work of the staff of the Public Health Department and the Area Health Office.

I am,

Ladies and Gentlemen,

Your Obedient Servant,

J.A.W. REID,
MEDICAL OFFICER OF HEALTH

Area Health Office,
Rectory Road,
CAMBORNE.

Tel. Nos: Camborne 3026/3321.

SECTION A

1. (a) Physical and Social Statistics

Area of the Rural District	(Estimate)	90,989 acres
	(Census)	90,839 acres
Density Houses per acre	(Census 1951)	0.07
	(Census 1961)	0.08
	Estimate 1968	0.09
Persons per acre	(Census 1951)	0.24
	(Census 1961)	0.20
	Estimate 1968	0.25

Number of families sharing a dwelling, Census 1961 8

Population

Mid year estimate	1934	17,909
Mid year estimate	1951	21,760
Census population	1951	21,819
Mid year estimate	1961	21,900
Census population	1961	21,503
Mid year estimate	1968	23,180

Dwellings

(a) Houses

Total inhabited	8,224
Total Council	879
New Private Dwellings	158
New Council Dwellings	16

(b) Caravans

Residential	223
Seasonal only	907
Total caravans	1,130
No. of caravans on unlicensed sites	30
Ratio of houses to residential caravans	37.1

Provision of Services

Percentage of dwellings on mains water	Census 1961	79.9
Percentage of dwellings on water carriage sewerage	Census 1961	66.9

Refuse Collection

Percentage of dwellings which have house refuse collection	90

Revenue

Rateable value of Rural District	£627,337
Product of penny rate	£2,449

Number of Marriages 168

I am indebted to Mr. W.T. Casey, Manager of the Department of Employment and Productivity for the following information on employment, unemployment, disablement and rehabilitation.

Summary of Principal Industries and Number employed

Industry	Men	Women	Total
Agriculture	357	50	407
Fishing	47	-	47
Quarrying	73	4	77
Food Manufacture	49	18	67
Engineering and Ship Building ..	82	13	95
Textiles	36	79	115
Building Construction	518	15	533
Gas, Electricity and Water Supply	54	4	58
Transport Undertakings	197	40	237
Distributive Trades	294	253	547
Professional Services	173	329	502
Public Administration	508	59	567
Miscellaneous Services	170	173	343
Catering Industry	71	123	194
Others not specified	63	41	104
	2,692	1,201	3,893

Unemployment

305 men and 117 women were unemployed at the end of the year. The Industries most affected were:-

Industry	Men	Women	Total
Agriculture	17	2	19
Fishing	56	-	56
Transport and Communications ..	14	4	18
Construction	61	-	61
Catering	27	37	64
Distributive Trades	24	20	44
Engineering and Electrical	10	1	11
Insurance, Banking and Finance ..	11	3	14
	220	67	287

Disablement

The number of Disabled Persons on the Register was:-

	Men	Women	Boys	Total
Surgical	59	6	-	65
Medical	58	3	-	61
Psychiatric	7	1	-	8
Others	13	2	1	16
	137	12	1	150

Analysis of unemployed registered disabled persons on Live Register, April, 1968.

	Men	Women	Total
Surgical	10	-	10
Medical	9	2	11
Psychiatric	1	1	2
Others	1	-	1
	21	3	24

Rehabilitation

Two Registrants entered the Rehabilitation Unit during the year and 22 accepted training at a Government Training Centre.

Sickness Morbidity

I am indebted to Mr. G.H. Webb, Manager, Department of Health and Social Security, Penzance, for the following table giving the number of new claims of sickness and injury benefit for 1968:-

	Sickness Benefit	Injury Benefit
January	295	8
February	359	18
March	291	9
April	256	8
May	143	17
June	128	15
July	178	16
August	153	10
September	147	11
	1,950	112

2. Vital Statistics

(a) Live Births

	Males	Females	Total	Rate
Total	161	124	285	
Legitimate	143	119	262	
Illegitimate	18	5	23	
Birth Rate (Crude)				12.3
Comparability Factor				1.09
Standardised Birth Rate (per 1,000 population)				13.40
Illegitimacy Rate (Percentage of Live Births)				8.07
Total Live and Still Births				291

(b) Still Births

Total	2	4	6	
Legitimate	2	4	6	
Illegitimate	Nil	Nil	Nil	
Still Birth Rate (per 1,000 total live and still births) ..				21
Still Birth Rate (per 1,000 estimated resident population)				0.25

(c) General Deaths (excluding Still Births)

All causes	256
Death Rate (Crude)	11.00
Comparability Factor	0.95
Standardised Death Rate (per 1,000 population)	10.61
Maternal Deaths	Nil
Maternal Mortality (per 1,000 total live and still births)	Nil

(d) Deaths of Infants under One Year

	Males	Females	Total
Total	3	1	4
Infant Mortality (per 1,000 live births)			14
Neo-natal mortality (per 1,000 total legitimate and illegitimate live births)			7.02
Early neo-natal mortality (per 1,000 total live births) ..			7.02
Perinatal Mortality (still births and deaths under 1 week combined, per 1,000 total live and stillbirths) ..			27

(e) Principal Causes of Deaths

	All Ages			Percentage
	Males	Females	Total	of Total Deaths
Heart	79	67	146	57.40
Cancer	26	25	51	19.92
Cardio Vascular Disease of the Central Nervous System	27	20	47	18.36
Respiratory	18	11	29	11.32

CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE DURING 1968 IN THE RURAL DISTRICT OF KERRIER

CAUSE OF DEATH	Sex	Total All Ages	Under 4 weeks	4 weeks and under 1 year	AGE IN YEARS 1-	5-	15-	25-	35-	45-	55-	65-	75 and over
Tuberculosis of Respiratory System	M	1	-	-	-	-	-	-	-	-	1	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-
Other Tuberculosis, including late effects	M	1	-	-	-	-	-	-	-	1	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-
Malignant Neoplasm - Stomach	M	3	-	-	-	-	-	-	-	1	1	1	-
	F	3	-	-	-	-	-	-	-	-	1	-	2
Malignant Neoplasm - Lung, Bronchus	M	12	-	-	-	-	-	-	1	-	1	6	4
	F	4	-	-	-	-	-	-	-	-	2	1	1
Malignant Neoplasm - Breast	M	-	-	-	-	-	-	-	-	-	-	-	-
	F	4	-	-	-	-	-	-	-	-	3	1	-
Malignant Neoplasm - Uterus	F	3	-	-	-	-	-	-	-	1	1	1	-
Other Malignant Neoplasms, etc.	M	11	-	-	-	-	1	-	-	1	2	-	7
	F	11	-	-	-	-	1	-	1	-	1	5	3
Diabetes Mellitus	M	1	-	-	-	-	-	-	-	-	-	1	—
	F	2	-	-	-	-	-	-	-	-	-	-	2
Other Diseases of Nervous System, etc.	M	1	-	-	-	-	-	-	-	-	-	-	1
	F	-	-	-	-	-	-	-	-	-	-	-	-
Chronic Rheumatic Heart Disease	M	1	-	-	-	-	-	-	-	-	-	1	-
	F	2	-	-	-	-	-	-	-	-	-	1	1
Hypertensive Disease	M	3	-	-	-	-	-	-	-	-	-	3	-
	F	2	-	-	-	-	-	-	-	-	-	1	1
Ischaemic Heart Disease	M	34	-	-	-	-	-	-	-	3	8	9	14
	F	32	-	-	-	-	-	-	-	-	3	10	19
Other Forms of Heart Disease	M	12	-	-	-	-	-	-	-	-	1	2	9
	F	10	-	-	-	-	-	-	-	-	-	-	10
Cerebrovascular Disease	M	27	-	-	-	-	-	-	-	1	3	3	20
	F	20	-	-	-	-	-	-	-	1	1	2	16
Other Diseases of Circulatory System	M	2	-	-	-	-	-	-	-	-	-	-	2
	F	1	-	-	-	-	-	-	-	-	-	-	1
Influenza	M	2	-	-	-	-	-	-	-	-	-	2	-
	F	1	-	-	-	-	-	-	-	-	-	-	1
Pneumonia	M	2	-	-	-	-	-	-	-	-	-	-	2
	F	5	-	-	-	-	-	-	-	-	1	-	4
Bronchitis and Emphysema	M	8	-	-	-	-	-	-	-	-	1	1	6
	F	2	-	-	-	-	-	-	-	-	-	-	2
Asthma	M	1	-	-	-	-	-	-	-	-	1	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Respiratory System	M	5	-	1	-	-	-	-	-	-	-	3	1
	F	3	-	-	-	-	-	-	-	1	-	1	1
Peptic Ulcer	M	1	-	-	-	-	-	-	-	-	1	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal Obstruction and Hernia	M	-	-	-	-	-	-	-	-	-	-	-	-
	F	2	-	-	-	-	-	-	-	-	-	-	2
Other Diseases of Digestive System	M	-	-	-	-	-	-	-	-	-	-	-	-
	F	2	-	-	-	-	-	-	-	-	-	2	-
Other Diseases, Genita-Urinary System	M	-	-	-	-	-	-	-	-	-	-	-	-
	F	1	-	-	-	-	-	-	-	-	-	-	1
Diseases of Muscula-Skeletal System	M	2	-	-	-	-	-	-	-	-	-	1	1
	F	1	-	-	-	-	-	-	-	-	-	-	1
Congenital Anamolies	M	1	-	1	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-
Birth Injury, Difficult Labour, etc.	M	1	1	-	-	-	-	-	-	-	-	-	-
	F	1	1	-	-	-	-	-	-	-	-	-	-
Symptoms and Ill-defined Conditions	M	1	-	-	-	-	-	-	-	-	-	1	-
	F	-	-	-	-	-	-	-	-	-	-	-	-
Motor Vehicle Accidents	M	3	-	-	-	1	1	-	1	-	-	-	-
	F	1	-	-	-	-	-	-	-	-	-	1	-
All Other Accidents	M	4	-	-	-	-	1	1	-	-	-	-	2
	F	1	-	-	-	-	-	-	-	-	-	-	1
Suicide and Self-inflicted Injuries	M	2	-	-	-	-	-	-	-	1	-	-	1
	F	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL ALL CAUSES	M	142	1	2	-	1	3	1	2	8	20	34	70
	F	114	1	-	-	-	1	-	1	3	13	26	69

COMPARATIVE RATES

	England and Wales 1968 Rate per 1000	Kerrier 1968 Rate per 1000
Live Births	16.9	13.40
Still Births	14.1	21
Deaths	11.9	10.61
Infant Mortality (deaths under 1 year of age)	18	14
Neonatal Mortality (deaths under 4 weeks of age)	12.3	7.02
Early Neonatal Mortality (deaths under 1 week of age)	10.5	7.02
Perinatal Mortality (stillbirths and deaths under 1 week of age)	25	27

Kerrier Rural District Road Accidents - 1968

	Fatal	Seriously Injured	Slightly Injured
January	-	3	7
February	-	7	11
March	-	6	2
April	1	4	7
May	-	9	7
June	2	9	14
July	-	4	10
August	-	12	21
September	-	4	14
October	-	4	6
November	-	7	9
December	-	6	5

Accidents in the Home

Two children, a year old girl and a 3 year old boy had accidents in the home. One was burnt and the other swallowed tablets. There were 4 children in one family and three in the other. In one instance the mother went out to work.

Drownings

No person was drowned on the Kerrier Rural District beaches last year.

Summary of Area Statistics

General	Camborne-Redruth	Kerrier	Helston	Area No.2 Total 1968
Area in Acres	22,411	90,989	4,017	117,417
Population	38, 090	23,180	9,620	70,890
No. of inhabited houses	14,204	8,224	2,958	25,386
Vital				
No. of Births	637	285	205	1,127
Standardised Birth rate	17.70	13.40	18.09	
No. of Still Births	14	6	Nil	21
Still Birth Rate (per 1,000 live and still births)	22	21	Nil	
Infant Deaths	7	4	1	12
Infant Mortality Rate	11	14	4.87	
Maternal Mortality	1	Nil	Nil	
Maternal Mortality Rate (per 1,000 live and still births)	1.52	Nil	Nil	
No. of deaths	582	256	133	971
Standardised Death Rate	13.4	10.61	11.73	
Principal causes of Death (percentage of Total Deaths)				
(a) Infants under 1 year				
Difficult Labour	14.28	50%	Nil	25.00%
Congenital	Nil	25%	100%	16.66%
Prematurity	28.58	Nil	Nil	16.66%
Birth Injury	14.28	Nil	Nil	8.36%
Respiratory	14.28	25%	Nil	16.66%
Accident	28.58	Nil	Nil	16.66%
(b) All Ages				
Respiratory	8.42	11.32	6.16	
Cancer	17.81	19.92	15.72	
Heart	55.84	57.40	64.66	
Cardio-Vascular Disease of the Central Nervous System	19.06	18.36	24.73	
Infectious Diseases				
Tuberculosis				
Notifications (new cases only)				
Respiratory	11	2	2	15
Non-respiratory	Nil	1	Nil	1
Incidence Rate -				
Respiratory	0.31	.09	.21	
Non-respiratory	Nil	.04	Nil	

	Camborne-Redruth	Kerrier	Helston	Area No.2 Total
Other Infectious Diseases				
Pneumonia	8	10	Nil	18
Measles	7	16	9	32
Whooping Cough	13	2	Nil	15
Dysentery	8	1	2	11
Inf. Hepatitis	1	2	Nil	3
Puerperal Pyrexia	Nil	1	Nil	1
Meningitis	3	1	Nil	4
Scarlet Fever	6	Nil	1	7
Salmonella infection	4	2	Nil	6
Scabies	1	Nil	Nil	1

(Rates are given per 1,000 population).

SECTION B

GENERAL PROVISION OF HEALTH SERVICES IN THE RURAL DISTRICT

1. Local Sanitary Services

(a) Staff

(i) Kerrier Rural District Council (Local Sanitary Authority)

Medical Officer of Health

Dr. J.A.W. REID, M.B., Ch.B., D.P.H., M.R.S.H.

Chief Public Health Inspector

Mr. R. COLLEY, M.A.P.H.I.

Deputy Public Health Inspector

Mr. L. DEAMER, M.A.P.H.I.

Additional Public Health Inspector

Mr. I.N. SMITH, M.A.P.H.I. (resigned December, 1968)

Clerical Technical Assistant

Mr. D. WILLIAMS (commenced 1.1.68)

Clerical Staff

Mrs. N. SOBEY

Foreman

Mr. N. WILLIAMS

Rodent Operator

Mr. GREET (Part-time)

(ii) Cornwall County Staff (Local Health Authority)

Health Area Medical Officer

Dr. J.A.W. REID, M.B., Ch.B., D.P.H., M.R.S.H.

Clinic Doctor

Dr. W. JACKSON, M.B., Ch.B.

Dentist

Mr. J.E. KENNY, L.D.S.

Assistant County Nursing Officer

Miss V. COVENTRY, S.R.N., S.C.M., Q.N.S., H.V.Cert.

T.B. Health Visitors

Miss N. YUILLE (resigned March, 1968)
Miss F. ODGERS (commenced July, 1968)

District Nurse/Midwives/Health Visitors

Miss I.F. MAY
Mrs. D. OUGH
Miss F. PIPER
Miss S. WOODWARD
Miss V.J. COOLING
Mrs. I.A. TREGLOAN
Mrs. M.K. THOMPSON
Mrs. J. LOVELOCK
Mrs. M. BURLEIGH (P/T)
Mrs. B. GETHING (P/T)
Mrs. B. MANATON
Miss M. WESTON
Mrs. J.I. McHAFFEY
Mrs. M.L. SOUTHCOTT (P/T)
Mrs. M.G. BUSUSTOW (P/T)
Mrs. H. THOMAS

Home Help Organiser

Mrs. P. PHILLIPS

Dental Attendant

Mrs. P. HOWEL

Mental Health and Welfare Officers

Mr.H.R.McVAY (Senior Mental Health and Welfare Officer)
Mr. T.H.E. BECKETT
Mr. K. HUNT
Mr. C.T. HARVEY
Mr. W.C. NICHOLLS (Transferred Truro, May, 1968)
Mr. R. STABLES (Transferred Truro, October, 1968)
Mrs. V. ROGERS

Family Welfare Workers

Mrs. G. WAKEMAN
Mrs. J. BENNETTS
Mrs. G. BROWN
Mrs. E. DOWLING
Mrs. B. SMYTH

Clerical Staff

Mr. D. MAY
Mrs. V.E. PAUL
Mrs. S. TELLAM
Mrs. A. NICHOLLS (P/T)
Mrs. M. KELLY
Miss M. EVERALL (comm. Feb.1968)

One third of the Medical Officer of Health's time is devoted to the Personal Health Services which are the function of No. 2 Area Health Sub-Committee of the Cornwall County Council.

(b) Laboratory Facilities

Pathological and bacteriological specimens requiring examination are sent to the Public Health Laboratory, Royal Cornwall Infirmary, Truro. Hereunder is a summary of the investigations carried out:-

Meningitis	Faeces	6
" nose and throat ..	Swabs	8
Brucellosis	Blood	1
Brucellosis	Milk	36
Dysentery	Faeces	3
Salmonella Infection	Faeces	16
Food Handlers	Faeces	5
Virus Infection	Blood	1

(c) National Assistance Act 1948 and (Amendment) Act 1951 - Section 47.

Removal to suitable premises of persons in need of care and attention

The Medical Officer of Health visited 3 old persons, 2 females and 1 male who were living alone and needing assistance.

No action was necessary under the above Act during the year.

(d) Health Education is a function of the Local Sanitary Authority under Section 179 Public Health Act, 1936, and of the Local Health Authority under Section 28 of the National Health Service Act, 1946.

The Medical Officer of Health gave talks on Public Health to voluntary organisations in the District.

The Nursing Staff carried out a programme of talks to mothers, parents and scholars on ante-natal and post-natal care and general health.

(e) Old People's Register

9 old persons, 5 females and 4 males were added to the register. At the end of the year the total number of old people known to the Public Health Department was 233.

Details of the new females and males are as follows:-

65 - 70 years	5 (2 females and 3 males)
71 - 75 years	1 (1 female)
76 - 80 years	2 (1 female and 1 male)
81 - 85 years	1 (1 female)

Referrals

6 persons came to the notice of the Health Visitors in their Districts.

The 3 remaining cases were referred by District Nurses.

Disability

The disabilities of the persons added to the Register were:

Old Age	2
Stroke	1
Heart and Vascular ..	3
Arthritis	1
Gastric Ulcer	1
Varicose Ulcers	1

Living Alone

6 of the 9 old persons lived alone.

Housing

2 persons lived in Council Houses, 1 in Council Bungalows, 2 in terraced houses, 2 in cottages, 1 in farmhouses and 1 in a caravan.

Assessment of Needs.

In 3 instances health visiting supervision was all that was needed. 2 cases managed satisfactorily with District Nurses help. It was necessary to provide a home help for 1 case.

2. Local Health Authority Services

Personal Health Services

The following Personal Health Services are provided under the National Health Service Act, 1946, by the Cornwall County Council and are administered through No. 2 Area Health Sub-Committee on which the Rural District is represented by 3 members and the Borough by 1 member.

(a) Care of Mothers and Young Children (Section 22)

Ante-natal guidance was provided as in past years.

The following educational classes for expectant mothers were held:

	Helston	Porthleven
Sessions held during 1968	23	8
Mothers attending during 1968	68	10
Attendances during 1968	278	44
Average attendance per session	12	6

The following table shows the number of infants and toddlers who attended the clinic and the number of visits these children made to the clinic throughout the year.

	Helston	Porthleven
First attendance during year of children born in ... Present Year	175	32
Last Year	178	34
Born in previous 4 years	117	36
Total under 1 year	1,956	384
Attendance over 1 year	867	246
Total attendance	2,823	630

Welfare Foods

Welfare Foods are distributed from the following centres:-

Helston - Williams Stores, Church Street
Helston Turnpike
Helston - Mr. W. Hartley-Peters, 97 Meneage Street
Chemist, Porthleven
Corner Stores, Porthleven
The Stores, Mullion
The Pharmacy, Mullion
Post Office, Breage
Post Office, St. Keverne, Manaccan
Post Office, Gweek.

Family Planning

Advice was given to any mother requesting it as part of the Health Visitor's general duties during the past year.

(b) Midwifery - Section 23

There are 11 County Council midwives in the combined area of Helston and Kerrier.

During the year they attended 93 confinements which represents 19% of the total births. Last year 403 expectant mothers had their babies in hospital.

During the year 248 cases were discharged from the Maternity Hospitals to the care of domiciliary midwife prior to the tenth day in the Health Area.

The following number of ante-natal and post-natal visits were made during the year.

	Helston and Kerrier
Post natal	1,069
Ante natal	2,024

Kerrier Rural District

	Domiciliary	Hospitals
Total Births	64	227
Full Time	59	213
Stillbirths	Nil	6
Premature Stillbirths	Nil	5
Neo-natal Deaths	Nil	2
Other Infant Deaths	Nil	2

Helston Borough

	Domiciliary	Hospitals
Total Births	29	176
Full Time	Nil	167
Stillbirths	Nil	Nil
Premature Stillbirths	Nil	Nil
Neo-natal Deaths	Nil	Nil
Other Infant Deaths	Nil	1

The Abortion Act - 1967

This important piece of legislation came into operation on 27th April, 1968. It has relevance for many of the families with which the Health Department are dealing. The Act lays down that there will be no offence under the law relating to abortion if a termination of pregnancy is carried out by a registered medical practitioner in a N.H.S. hospital or other approved place and two registered practitioners are of the opinion, formed in good faith, that the termination is justifiable in the particular case, on one or other of the following grounds.

(a) that the continuance of the pregnancy would involve risk to the life of the pregnant woman, or of injury to the physical or mental health of the pregnant woman or any existing children of the family, greater than if the pregnancy were terminated; or

(b) that there would be substantial risk that if the child were born it would suffer from such physical or mental abnormalities as to be seriously handicapped.

In the case however, where a practitioner is of the opinion, formed in good faith, that termination of the pregnancy is immediately necessary to save the life or to prevent grave permanent injury to the physical or mental health of the pregnant woman, there is provision permitting an emergency termination to be performed without obtaining the opinion of a second practitioner.

A further requirement of the Act is that except in the type of case

referred to in paragraph 3, treatment for the termination of pregnancy must be carried out either in a National Health Service hospital, in an approved Services Hospital, or in a place approved for the purpose of the Act by the Minister of Health.

It is unlawful to procure an abortion otherwise than in the circumstances described above and authorised by the Act.

Cytology Clinics

15 clinics were held during the year.
235 patients were seen by the Clinic Doctor,
179 of these were satisfactory.
66 patients were referred to the Family Doctor for treatment of minor conditions.

(c) Health Visiting - Section 24

4 Full-time Health Visitors and 7 District Nurse/Midwife/Health Visitors work in the Helston and Kerrier areas, the following is a summary of the work carried out by them.

Domiciliary Visits	Helston and Kerrier
Children under 5 years	9,339
Aged and Infirm	1,210
Special Enquiries (Infants Deaths and Stillbirths)	2
Social Visits	722
Other cases	227
Attendance at Clinics	
Welfare Clinic	119
Tuberculosis Clinics	97
Immunisations	53
Attendance at Schools	
Medical Inspections	157
Cleanliness Inspections	141
Immunisation Sessions	32
Mothercraft	20

The Health Visitor is the General Social Worker responsible for advising all the families in her District and carries out the full range of duties in the Public Health and School Health fields, with the exception of tuberculosis visiting, venereal disease contact tracing, and supervision of handicapped persons. These latter tasks being allotted to specialist workers.

(d) Home Nursing - Section 25

12 Home Nurses and 4 part-time nurses were engaged in District Nursing in the combined areas during 1968, and they made 28,278 home visits.

	Helston and Kerrier
General	23,419
Ante-Natal Visits	2,024
Ante-Natal Educational Classes	45
Others	2,790

(e) Vaccination and Immunisation - Section 26

The following table gives the number vaccinated and immunised at the clinics and by the doctors in the areas.

Kerrier	General Practitioners	Clinics
Poliomyelitis - Full Course Oral	76	57
Oral Booster	112	197
Diphtheria/Whooping Cough/Tetanus -		
Primary	87	10
Booster	69	19
Diphtheria/Tetanus - Primary	4	8
Booster	83	127
Tetanus - Primary	18	-
Booster	30	-
Smallpox - Primary	70	19
Smallpox - Re-vaccination	34	2
Measles		144
Helston		
Poliomyelitis -Full Course Oral	22	120
Oral Booster	45	214
Diphtheria/Whooping Cough/Tetanus -		
Primary	32	66
Booster	30	96
Diphtheria/Tetanus - Primary	-	8
Booster	82	95
Tetanus - Primary	12	-
Booster	53	-
Smallpox - Primary	27	69
Booster	6	5
Measles		103

In May, 1969 the Department of Health and Social Security calculated the % of children protected against the following diseases in each County area as compared with England and Wales as a whole. A reasonable trend is shown for Whooping Cough, Diphtheria and Poliomyelitis, but protection against smallpox continues to be lower reflecting the views of individual doctors on the value of routine vaccination which must be balanced against complications and contra-indications.

	Children born in 1967			Smallpox (Children under 2)
	Whooping Cough (1)	Diphtheria (2)	Polio (3)	(4)
England & Wales	76	78	74	38
Cornwall	81	82	74	26

(f) Ambulance Service - Section 27

During weekday working hours the County Ambulance Service from Tolvean Depot, Redruth, carries out all normal duties; at nights and at week-ends cover is given by voluntary ambulance crew of St. John Ambulance Brigade at Helston, using their own ambulance.

All ambulances operating from the depot are wireless controlled and are thus instantly available wherever they may be. This frequently has enabled the Depot Controller to direct an already moving ambulance to the scene of an accident.

(g) Prevention of Illness, Care and After Care - Section 28

1. Nursing Equipment

Cases discharged from hospital and requiring after care are treated by the Home Nurse or supervised by the Health Visitor. Sick room equipment such as urine bottles, bedpans, bed rests, air cushions, mattresses, rubber sheeting can be had on loan.

2. Hospital - After Care

The Assistant County Nursing Officer liases with the hospital staffs. Background reports of home and social conditions are made available to the medical staff and advance requests are made for home nursing, home help, or supervisory visits which the patient may require on discharge.

3. Welfare Workers

To carry out the provisions of the National Assistance Act, 1948, 3 Welfare Officers and 4 Family Welfare Workers work in Area 2. The Family Welfare Worker devotes her time to problem families.

4. Mental Health

Under the Mental Health Act, 1960, three Mental Welfare Officers

provide for admission to hospital to all mentally ill patients, and mentally subnormal persons, and their subsequent after care and rehabilitation in the community.

5. Long Stay Immigrants

Medical arrangements for immigrants include the offer of an x-ray of the chest and the registration of the person and his family with a family doctor. Most immigrants in the Rural District are food handlers employed for a number of months each year in the hotel business. Three notifications of incoming immigrants were received during the year.

(h) Domestic Help Service - Section 29

At the beginning of the year 67 cases were served by the Home Help Service, this decreased by one during the year, but the number of Neighbourly Help cases increased by 4. The equivalent of 5 Full-time Home Helps were employed throughout the year.

At the end of the year 55 persons were receiving 4½ hours per week, and four persons were receiving 4 hours per week.

The following table shows the number and types of cases assisted during the year:-

Over 65	85
Chronic Sick	4
Maternity	8
Others	8
Neighbourly Helps	4

(i) Problem Families

Most families with social problems which are beyond their capacity to solve come to the notice of the Health Department because of their living environment. If in unfit houses or caravans the state and size of the home is inadequate for the family; if in council houses, overcrowding, arrears of rent, bad housekeeping, unclean state of the home, are the problems which have have to be tackled. Each Health Visitor is responsible for the welfare of all the families with whom she deals, and when she feels that a family needs day-to-day support in their home because of major or multiple social problems, she enlists the help of the Family Welfare Worker. Two Family Welfare Workers work in the Helston/Kerrier area.

During the year Supervision and help was given to 16 families in the Rural District. 3 families ceased to have family welfare help and 2 new families were added to the Family Welfare Workers Case Loads.

(j) The Register of children with a handicap in Helston and district contained the following categories:-

Disability	Year of Birth											
	1963		1964		1965		1966		1967		1968	
	M	F	M	F	M	F	M	F	M	F	M	F
(A) Major Congenital Defects												
PHYSICAL	1	5	5	4	7	1	4	1	1	4	2	-
MENTAL	-	-	4	-	-	1	1	2	2	2	1	1
(B) Minor Congenital Defects	-	1	1	2	1	-	-	1	-	1	3	1
(C) Birth Hazards	-	-	-	-	1	1	-	2	-	-	-	-
(D) Defects as a Result of Injury or Disease	1	-	3	-	1	-	-	-	-	-	1	-

3. (a) Hospital Service

The local services are administered by West Cornwall Hospital Management Committee on behalf of the South Western Regional Hospital Board, and the following are the hospital services for the area:-

	Type	No. of Beds		
Meneage Hospital, Helston	Chronic Sick	Female	44)	69
		Male	25)	
Helston Cottage Hospital	General Practitioner	Female	5)	12
		Male	4)	
		General	1)	
		Amenity	2)	
Redruth	Gynaecology and Maternity	Gynae.	31)	60
		Maternity	20)	
		Private	3)	
		Amenity	2)	
		Radiotherapy	2)	
		Staff	2)	
Barncoose	Geriatric	Female	101)	137
		Male	36)	
Barncoose	Psycho-Geriatric Assessment Unit	Male and Female	29	
Tehidy	Chest	Female	44)	114
		Male	68)	
		Private	2)	
West Cornwall, Penzance	General	Female	29)	92
		Male	28)	
		Children	24)	
		Private	2)	
		Amenity	3)	
		Eye	6)	

	Type		No. of Beds	
Bolitho Maternity Home	Maternity		17	
Edward Hain	General Practitioner	Female	7)	14
		Male	6)	
			1) male or female	
Poltair	Chronic Sick	Female	37	

Infectious Diseases are admitted to Treliske Hospital, Truro.

(b) Clinics

The Chest Clinics are situated at Falmouth Hospital and the West Cornwall Hospital, Penzance. The times of the clinics are as follows:-

		Falmouth
Chest Clinic, New and old cases	Every Monday except the first Monday in the month	2.00 p.m.
Chest Clinic, New and old cases	Every Friday	9.00 a.m.
Contact Clinic	First Monday of every month	2.00 p.m.
		Penzance
Chest Clinic, New and old cases	Every Thursday morning	9.00 a.m.
Contact Clinic	Second Wednesday of each month	2.00 p.m.

The close co-operation between the Area Medical Officer and the Chest Physician has been maintained throughout the year. The Health Visitor responsible for domiciliary visiting of cases of tuberculosis also acts as Clinic Nurse at the weekly Chest Clinics. A register of those patients requiring priority visiting and close supervision is kept in the Area Office.

Venereal Disease Clinic

A clinic is held at Falmouth Hospital

Each Saturday 10 - 12 noon

and at West Cornwall Hospital, Penzance

on Thursdays 3 - 4 p.m.

4. General Practitioners Service

12 doctors practice from surgeries in Kerrier and Helston.

There are two practices of two doctors, 1 practice of four doctors and 4 practices with one doctor.

5. Mass X-ray Unit

The unit is available twice a month as follows:-

2nd and 4th Monday of each month	Car Park Trengrouse Way Helston	5.15 p.m. to 6.00 p.m.

6. Blood Transfusion Service

	Sessions	Donors attending
Helston	2	309
R.N.A.S. Culdrose	4	497

I am indebted to Miss Cole, Regional Donor Organiser for the above information on the service.

SECTION C

ENVIRONMENTAL HYGIENE

Water Supplies and Sampling

Mains water is now supplied to the majority of premises in the District, however the more remote areas must, of a necessity, depend on well water, springs and boreholes. Nancegollan is the only remaining village with an untreated piped supply.

Below is a record of the samples taken for bacteriological analysis together with the various results obtained therefrom:-

Mains Water

Number of samples taken	122
Number satisfactory	110
Number unsatisfactory	12

Non-treated Village Supplies

Number of samples taken	3
Number satisfactory	3

Wells, Pumps and Springs

Number of samples taken	18
Number satisfactory	14
Number unsatisfactory	4

Private Water Supplies (Wells, boreholes and springs)

Number of samples taken	91
Number satisfactory	47
Number unsatisfactory	44

Total number of samples taken .. 234

FLUORIDATION OF WATER SUPPLIES

Circular 24/68 states:-

1. The Minister of Health refers to Circular 15/65 dated 3rd August, 1965 in which he asked local health authorities to make arrangements for the fluoridation of public water supplies and to say that he has decided to extend the terms of the indemnity, announced in that circular, which he is prepared to give to local health authorities and water undertakings.

2. The Minister, therefore, strongly urges all local health authorities who have not already done so to adopt this measure at the earliest possible date.

In order to assist authorities and to demonstrate his faith in the complete safety of fluoridation of water supplies the Minister has decided to remove altogether the time limit on the indemnity against proceedings on the grounds of injury to health.

3. The Minister hopes that his action will enable those authorities who have not yet made arrangements for the fluoridation of public water supplies in their area to do so in order that the undoubted benefits which this measure confers may be made fully available in their area as soon as possible.

The Medical Officer of Health recommended the Council to request the South Cornwall Water Board to add fluoride to their water supplies and Cornwall County Council as the local health authority to press for fluoridation of water supplies in the Council's area.

DRAINAGE AND SEWERAGE

No further schemes were completed during the year but the Ruan Minor, Cadgwith and The Lizard Sewerage Scheme was nearing completion at the end of the year. The Sewerage Scheme for Stithians and Ponsanooth commenced in November and is due for completion in November 1970.

The villages and areas now served by sewage schemes are as in the previous years:-

Mullion	Sea Outfall
The Lizard	Sea Outfall
Coverack (part)	Sea Outfall
Praze	Sewage Works
Mabe	Joins into Penryn sewer
Nancegollan	Sewage Works
St. Keverne	Sewage Works
Constantine	Sewage Works

PUBLIC CONVENIENCES

Public Conveniences now erected are situated as under:-

The Lizard	Ruan Minor Village
Mullion Village	Cadgwith Village
Mullion Cove	Praa Sands (Western End)
Poldhu Cove	Stithians Village
Gunwalloe Church Cove	St. Keverne Village
Coverack Village	Kynance Cove, The Lizard
Porthallow Beach	Praze Village
	Mawnan Smith Village

No new public conveniences were built during the year but it is hoped that next year will see the erection of a public convenience at Polpeor, The Lizard and extensions to the public convenience at The Lizard Green and Praa Sands. The time has come to give attention to the renewal

of the old public conveniences at Cadgwith and Mullion Cove, as these are below the standard set by the other 13 public conveniences.

CESSPOOL EMPTYING

The number of loads emptied in the year was 1,825. The service has been in full demand throughout the year.

During the summer season when the demand was greater, 213 loads (186 council and 27 private) were emptied for the Council by a private firm. Therefore the total number of loads emptied for the year was 2,038.

The Council's cesspool emptier in use has a capacity of 1,100 gallons and was registered on the 3rd August, 1965 (DAF 72C). A further vehicle of the same capacity was ordered and should be in service by February, 1969.

REFUSE DISPOSAL

The Council's vehicles are as follows:-

1 S. & D. Fore and Aft tipper registered 2nd October, 1961 (865 MCV)
1 S. & D. Pakamatic registered 1st July, 1964 (580 WAF)
1 S. & D. Side Loader registered 10th August, 1965 (DAF 71 C)

There was a continued growth of dwellings in the district, some expansion of caravan and tent sites, more prepacked and wrapped goods which inevitably led to an increase in the volume of refuse to be collected. This, of course, is a national trend as well as a local one. Nevertheless, the Council's workmen have maintained a regular service and I would express my appreciation of their efforts.

Total No. of loads of refuse collected	2,338
Estimated total tonnage	7,014

The Council are now providing litter receptacles containing paper sacks, these have been well received and have proved satisfactory. Hiring of vehicles due to breakdowns have caused problems, worries and delays but it is hoped that the situation will be resolved in the near future, as it is now approved policy to retain the oldest serving vehicle when new vehicles are purchased.

RODENT CONTROL

This has been a service which has been in regular demand and the Council has a trained operator for this purpose who works on rodent control, disinfection and general duties.

During the period 28th October - 19th November, the sewage systems of Constantine, Mullion, St. Keverne, Praze, Nancegollan and Mabe were successfully treated against rats.

The Local Authority is now responsible for control of rodents at the R.N.A.S. at Culdrose. This was requested by the Captain of Culdrose and is re-chargeable.

DISINFECTION AND DISINFESTATION OF HOUSES

This service is used very infrequently but remains available for urgent and sudden outbursts of demand.

ANTHRAX

Three cases of anthrax were dealt with during the year by burning as requested by the Police Authority. These cases were all cows on farms in the Mawnan, Manaccan and Carnmenellis areas.

DISEASES OF ANIMALS ACT, 1950
THE DISEASES OF ANIMALS (WASTE FOODS) ORDER, 1957

Only two premises are licensed in this district and are satisfactory.

ANIMAL BOARDING ESTABLISHMENTS

There are two premises registered under the Animal Boarding Establishments Act, 1963. They are:-

Mrs. Rosaline Holme, Trescowe Vean, Trescowe, Germoe.
Mrs. Margaret Anna Peck, The Downs House, Cargey, Ruan Minor.

PETROLEUM REGULATIONS

There are 92 premises licenced for the sale and/or storage of petroleum under the Petroleum (Regulation) Act, 1928 and 1936.

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

An initial survey has been carried out and work is proceeding to ensure that all premises comply with the Act. Some delay has occurred in respect of this work due to Mr. Smith leaving near the end of the year.

DETAILS OF INSPECTIONS CARRIED OUT

Animal Boarding Establishments	1
Caravan Tent and Chalet Sites	91
Civic Amenities Act	32
Diseases of Animals Act - Anthrax	3
Waste Food Order	22
Disinfection of Premises	2
Disinfestation of Premises	5
Drainage nuisances, advice on drainage systems and testing	285
Dustbin Provisions	10
Factories	5

Food Premises	82
Housing Act - Premises inspected and visits re matters connected therewith	798
Ice Cream Manufacturers and Retailers	6
Infectious Diseases	17
Knackers Yard	1
Lifeguards and Beach Safety	22
Miscellaneous Visits	149
Noise Abatement Act	5
Offices, Shops and Railway Premises	40
Petroleum Regulations	22
Places of Public Entertainment	4
Private Swimming Pools	1
Public Conveniences	29
Public Health Nuisances	172
Refuse Disposal and Tips, Litter Collection and Depot	167
Rent Act	5
Rodent Control	16
Schools	8
Scrap Metal Dealers	3
Sewage Disposal Works and Sampling	2
Shops Act	1
Slaughterhouses	326
Verminous and Filthy Premises	11
Water Courses, Ditches, Ponds, etc.	1
Water Sampling	260
Water Supply	120

PUBLIC HEALTH ACT, 1936

Section 39 (Drainage matters)

Formal notices served	Nil
Formal notices abated	Nil

Section 93 (Nuisances)

Formal notices served	5
Formal notices abated	7

FACTORIES ACT, 1937

1. Inspections for the purposes of provisions as to health (including) inspections made by Public Health Inspectors.

Premises	No. on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are enforced by L.A.	-	-	-	-
(ii) Factories not included in (i) which Section 7 is enforced by the L.A.	46	7	3	-
(iii) Other premises in which Section 7 is enforced by L.A. (excluding Out-workers premises)	-	-	-	-
TOTAL	46	7	3	-

2. Cases in which defects were found (if defects are discovered at the premises on two, three or more separate occasions they should be reckoned as two, three or more 'cases'.)

	Number of cases in which defects were found				No. of cases where prosecutions were instituted
	Found	Remedied	To H.M. Insp.	By H.M. Insp:	
Want or cleaniness	-	-	-	-	-
Overcrowding	-	-	-	-	-
Unreasonable temperature	-	-	-	-	-
Inadequate ventilation	-	-	-	-	-
Sanitary Conveniences:-					
(a) Insufficient	-	-	-	1	-
(b) Unsuitable, defective or want of cleansing	1	1	-	2	-
(c) Not separate for sexes	-	-	-	-	-
Other offences against the Act (not including offences relating to Outworkers)	-	-	-	-	-
TOTAL	1	1	-	3	-

Civic Amenities Act, 1967

During the year 17 unlicenced abandoned vehicles were removed by a car crushing plant operator, on behalf of the Council, following statutory procedure under the above Act.

LIFEGUARDS, SURF LIFESAVING CLUBS AND EQUIPMENT

POLDHU

Three sea rescues were effected, one man was assisted from the sea, by clinging to a Malibu board. Another was assisted from the sea by a Lifeguard using a Malibu board. One man was rescued by a single Lifeguard swimming to his assistance.

Seven persons were treated for cuts and two children were stung by Weaver fish and advised to go to hospital for treatment.

Lifeguards were employed on a seven day week (10 a.m. - 6 p.m.) basis from 30th June, 1968 to 22nd September, 1968. The senior Lifeguard was Mr. D. F. Hailey who was assisted by Mr. R. S. Williams.

PRAA SANDS

Nineteen sea rescues were effected, four using a Malibu board, four using a Surf-Ski - two of which were rescued by the Praa Sands Surf Lifesaving Club, and eleven by free swimming. The Hicks reel and line was not used at all. Out of the above total, 10 were children.

Twenty-two people were given first aid either for cuts or stings by Weaver fish, in the latter instance these cases were referred to a hospital for further treatment.

Lifeguards were employed on a seven day week (10 a.m. - 6 p.m.) basis from 2nd June, 1968 to 29th September, 1968. The Senior Lifeguard was Mr. A. Pugh, who was assisted by Mr. A. A. Baker.

MULLION

One rescue was effected of a boy (11 years) by a line from the cliffs after a member of the Mullion Surf Life Saving Club had swum out to assist the boy.

GUNWALLOE (CHURCH COVE)

I am indebted to Mr. K. Mitchell, Hon. Secretary of the Gunwalloe Surf Lifesaving Club for the following report:-

"1968 has been a very good year for the Club. Its tenth year has been marked by a record number of rescues, one from the cliffs using the Council's Hicks Reel and fifteen from the sea, using Reel and line, the latter being due

to a massive sandbank just offshore. On one occasion six people were in danger at one time and it was only by very good patrol work by Club members that the Club's record of no drownings has been preserved.

In January 1968 work on the Clubhouse restarted and hundreds of hours were put in before it was opened on August 3rd, 1968 by Alderman Foster, Chairman of the Cornwall County Council.

At the Lifesaving Examination at Newquay all 8 of the Club's candidates were successful.

In competition the Club retained the Freeman Shield and for the ninth year, the Club also won the Baughton Cup and the Prah Sands Junior Cup. The Club did well at the National Championships, winning two events and being well placed in a number of others.

Now that the Clubhouse is finished the Club has started recruiting members after two years stagnation through lack of space.

The Club greatly appreciates the help given by the Council.

Total Rescue Since 1959

55 Sea Rescues
21 Cliff Rescues

There have been no drownings during patrol hours."

During the year the Local Authority gave a grant of £150 to the Gunwalloe Lifesaving Club towards the cost of the new Club building.

Lifesaving equipment in the form of Notice Boards, Boxes with reel and lines and klaxon horns were provided on the following beaches:-

	Warning and Instruction Boards	Hicks Reel and line Boxes	Klaxons	Flag Interpretation Boards
Praa Sands	4	4	4	3
Kenneggy	1	1	1	-
Rinsey	1	1	1	-
Gunwalloe	3	3	3	-
Poldhu	2	2	1	1
Polurrian	1	1	1	1
Kynance Beach ..	1	1	1	-
Pentreath Beach ..	1	1	1	-
Housel Bay	1	1	1	-
Cadgwith	1	1	1	-
Kennack	2	2	1	-
Coverack	2	2	1	-
Porthallow	1	1	1	-
TOTAL	21	21	18	5

The names and addresses of the Hon. Secretaries of the Surf Lifesaving Clubs are as follows:-

Gunwalloe S.L.S.C.	Mullion S.L.S.C.	Praa Sands S.L.S.C.
Mr. K. Mitchell, "Glen Leigh", Penponds Road, Porthleven.	Mr. R. Willey, "Treharrann", Mullion. Tel: Mullion 544.	Mr. B. C. Lee, "Seascape", Praa Sands. Tel: Germoe 3407.

HOUSING

General Summary on Housing Act work and the present position

Houses improved and made fit by Discretionary Grants (from 1955) ..	590
Houses improved and made fit by Standard Grants (from 1960)	239
Total number of houses improved and made fit by Grants	829
Houses made fit by owners direct	46
Total number of houses made fit	875
Total number of houses demolished	152

1955 - 1968	
(a) Houses made fit	875
(b) Houses demolished	152
(c) Houses with existing Closing Order, Demolition Orders or Undertakings (Formal or informal) ..	109
Total number of houses dealt with	1,136

FINAL SUMMARY

Original estimate of unfit dwellings in 1954	2,000
Less total number of houses dealt with	1,136
Number of unfit houses to be dealt with from 1954 estimate ..	864

The year 1968 was one of continued progress in connection with individual unfit houses in regard to re-housing of tenants and seeing properties rendered fit for human habitation. Progress was also made in respect of Parish surveys; the Parish of Mawgan was completed involving the detailed inspection of 30 properties out of which 13 dwellings were regarded as being unfit for human habitation.

With the parishes of Cury and Mawgan now surveyed it was disappointing that the dwellinghouses to cater for the people from these unfit dwellings had not yet been commenced.

IMPROVEMENT GRANTS

Improvement Grant applications are dealt with by the Engineer and Surveyor's Department and close co-operation is maintained towards raising the general standard of old sub-standard dwellings.

The total number of houses improved by both Standard and Discretionary Grants has now reached 829 and represents 14 years good progress.

DISCRETIONARY GRANTS

No. of applications received	8
No. of applications approved (following submission of Title Deeds) ..	3
No. of applications in respect of which works were completed in the year	12
Total amount of grants allocated	£4,130

Summary - 1955 - 1967

	1955-1965	1966	1967	1968	Total
No. of applications received	654	12	8	8	682
No. of applications approved	606	14	5	3	628
No. of applications in respect of which works were completed	552	15	11	12	590

STANDARD GRANTS

No. of applications received	45
No. of applications approved (following submission of Title Deeds) ..	36
No. of applications in respect of which works were completed	43
Total amount of grants paid	£7,105.10s.

Summary - 1960 - 1968

	1960-1965	1966	1967	1968	Total
No. of applications received	270	60	70	45	445
No. of applications approved	224	61	67	36	388
No. of applications in respect of which works were completed	121	36	39	43	239

Housing Act, 1957

	1955-67	1968	Total
Section 9 (Unfit houses capable of repair at reasonable expense)			
Houses made fit by Owner:			
(i) after informal Notice	19	-	19
(ii) after formal Notice	14	-	14
Houses made fit by Local Authority	1	-	1
	34	-	34

	1955-67	1968	Total
Section 16 (Unfit houses incapable of repair at reasonable expense)			
(i) Houses made fit direct by owner after submitting list of works for Local Authority's approval	29	17	46
(ii) Houses closed for human habitation following 'Undertaking' given by owner or 'Closing Order'	239	13	252
Section 17(a) HOUSES DEMOLISHED			
(i) by owner	44	7	51
(ii) by Local Authority	50	1	51
Section 18 PARTS OF HOUSES CLOSED	-	-	-
Section 42 CLEARANCE AREAS (Houses Demolished)			
(a) Houses unfit for human habitation	50	-	50
(b) Houses included by reason of bad arrangements	-	-	-
(c) Houses on land acquired under Section 43(2)	-	-	-
	412	38	450

Section 78 OVERCROWDING

Cases which necessitated action by the Local Authority .. Nil

Clearance Areas declared .. .. Nil

The total number of dwellinghouses in the District is 8,224 made up as follows:-

Private	7,345
Council Houses	879

Applications for re-housing 196

No. of applications - December 1968 196

No. on waiting list for each Parish:-

Breage ..	25	Mabe ..	16	Sithney ..	2
Budock ..	4	Manaccan ..	1	Stithians ..	17
Constantine..	4	Mawgan ..	12	Wendron ..	12
Crowan ..	15	Mullion ..	21	Mawnan Smith	9
Cury	10	St. Gluvias .	3	Gunwalloe..	5
Grade Ruan..	12	St. Keverne .	13		
Landewednack	11	St. Martin ..	4		

No. of Council tenants transferred during 1968 29

No. of families housed during 1968 30

Classification of Families Housed during 1968

A.	No home of own	10
B.	From unfit dwellings	6
C.	Overcrowding	1
D.	Medical reasons	5
E.	Court Orders	1
F.	Council staff	3
G.	From caravans	2
H.	All other reasons	2
I.	From outside area	Nil
		30

CARAVAN SITES

The Caravan Sites and Control of Development Act, 1960 provided for licenced caravan sites having also Town and Country planning permission.

In the district there are 24 approved Caravan Sites for eight or more caravans, 7 approved Caravan Sites for three to six caravans and 2 Chalet Sites.

For sanitation, all sites below have water closets, wash basins and laundry facilities. The majority have mains water. Although showers or baths have to be provided for residential caravans it is pleasing to note that some Holiday Sites have also provided baths or showers which improves the facilities offered to holiday makers.

Site	Caravans			Chalets	Water Supply
	Total Allowed	All Year	Summer Only	Summer Only	
Two Chimneys, Praa Sands	188	30	158	-	Adit
Pengersick, Praa Sands	100	15	85	-	Mains
Boscreage, Ashton	15	-	15	-	Mains
Maen Valley, Budock	254	44	210	18	Mains
Little Cosawes, St. Gluvias	90	70	20	-	Mains
Kennack Sands, Kuggar	55	1	54	-	Mains
No. 1 Site, Bay View, Kennack Sands	23	-	23	-	Mains
No. 2 Site, Bay View, Kennack Sands	60	-	60	-	Mains
Sea Acres, Kennack Sands	23	-	23	-	Mains
Travellers Rest, Kennack Sands	10	-	10	-	Mains
Chycarne Caravan Park, Kuggar	18	-	18	12	Mains
Gwendreath, Near Kennack Sands	30	-	30	-	Mains
Silver Sands, Gwendreath	30	-	30	-	Mains
Travellers Rest, Gwendreath	11	-	11	9	Mains
Little Trevothan, Coverack	30	-	30	-	Mains
Criggan Mill, Mullion Cove	45	10	35	-	Mains
Red Triangle, Penhale X Roads	36	-	36	-	Mains
Tregullas Farm, Penhale X Roads	12	-	12	-	Mains
Franchis, Cury (Touring caravan site only)	8	-	8	-	Deep Well
Bougyhere, Mawgan	13	13	-	-	Mains
Trelil, Wendron	26	26	-	-	Mains
Retannah Caravan Site, Wendron	36	6	30	-	Borehole
Joyces Farm, Higher Keneggy	9	-	9	1	Mains
Parc Drea, Cury	8	8	-	-	Mains
	1,130	223	907	40	

Time period of Licence is now unlimited for all sites (except for the Residential caravans on Two Chimneys Caravan Site).

Present water supplies to the three sites without mains water are sampled periodically and are satisfactory. With regard to Two Chimneys Caravan Site a self-contained water sterilizing plant is in operation.

	TOTAL	All Year	Summer Only
Penmarth Farm, Coverack	6	-	6
Lantilling Farm, St. Anthony	3	-	3
Caddy's Corner, Carnmenellis	5	-	5
Rosuick Farm, St. Martin	3	-	3
Mill Farm, Mullion Cove	3	-	3
Pen Pol, Mullion	5	-	5
Chynalls, Coverack	5	-	5
	30	-	30

	TOTAL	All Year	Summer Only
Other Licenced Sites for 1 or 2 Caravans	12	9	3

	TOTAL	All Year	Summer Only
Licenced Caravans			
GRAND TOTAL	1,172	232	940

There are, therefore, 31 licenced caravan sites, containing from 3 to 200 caravans. The number of chalets (summer only) is 92.

CHALET SITES

Site	Chalets (Summer Only)	Water Supply	Sanitation
Manderley, Penjerrick, Budock (Self contained timber chalets)	20	Mains	W.C's to site sewage system.
The Lizard Chalet Co. Ltd., Predannack, The Lizard (Block built terraced chalets)	32	Mains	W.C's to site sewage system.

TENT SITES

Public Health Act, 1936 - Section 269

During recent years it has been observed that the steady growth in tenting by holiday makers has continued and the demand for Tent Sites is being met by sites specially catering for tents or by a few selected existing caravan sites being allowed tents on adjacent fields and properly licenced as a Tent Site.

Three Tent Sites have now received licences from the Local Authority and Town and Country Planning. Additional Tent Sites are being granted Town and Country Planning Permission and it is expected that they will be developed in 1969.

Tent Sites Licenced are:-

1.	Joyces Farm, Higher Kenneggy	60 tents
2.	Pengersick Farm, Praa Sands	90 tents
3.	Franchis Farm, Cury	25 tents
	TOTAL	175

BUILDING REGULATIONS

559 plans were dealt with by the Engineer and Surveyor's Department under the Building Regulations 1965 during the year. Plans are passed to the Public Health Department for examination and comments on matters concerning the Department. The number of plans dealt with have increased from 329 in 1961 to 559 in 1968.

LEGAL SEARCHES

During the year a total of 799 Searches were examined and dealt with in conjunction with the Clerk's Department.

SECTION E

FOOD HYGIENE

There are two Slaughterhouses in the District, one owned by F.M.C. Ltd. at Penvose, Treluswell, St. Gluvias, this accounts for the majority of slaughtering. The other Slaughterhouse is a small privately owned one on the outskirts of St. Keverne village serving one butcher. There are 11 slaughtermen licenced by this Council.

MEAT INSPECTION

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs
Number killed	300	786	415	7,950
All diseases except T.B.				
Whole carcases condemned	-	8	3	25
Carcases of which some part or organ was condemned	15	405	8	1,245
Percentage of the number inspected affected with disease other than T.B.	5	58	3	16

Number of carcases affected with tuberculosis during the year .. .. Nil.

The carcases referred to above were condemned for the following reasons and destroyed:-

Two Cow Carcases and Offal due to emaciation and improper bleeding.
One Cow Carcase and Offal due to severe bruising, haemorrhage and oedema.
One Cow Carcase and Offal due to septicaemia.
One Cow Carcase and Offal due to multiple abscesses, dropsy and septicaemia.
One Cow Carcase and Offal due to peritonitis and oedema.
One Cow Carcase and Offal due to acute oedema and improper bleeding.
One Cow Carcase and Offal due to multiple abscesses, oedema and emaciation.
One Calf Carcase and Offal due to septicaemia and cysts.
One Calf Carcase and Offal due to traumatism, peritonitis and poor bleeding.
One Calf Carcase and Offal due to traumatism, pleurisy, peritonitis and oedema.
Six Sheep Carcases and Offal due to multiple abscesses, dropsy and emaciation.
Four Sheep Carcases and Offal due to emaciation and dropsy.
Two Sheep Carcases and Offal due to multiple abscesses, septicaemia and oedema.
Two Sheep Carcases and Offal due to arthritis and emaciation.
Two Sheep Carcases and Offal due to emaciation and pleurisy.
Two Sheep Carcases and Offal due to emaciation and septic pleurisy.
One Sheep Carcase and Offal due to multiple abscesses, pleurisy and poor bleeding.
One Sheep Carcase and Offal due to oedema, emaciation, peritonitis, pleurisy and multiple abscesses.
One Sheep Carcase and Offal due to emaciation, oedema and arthritis.
One Sheep Carcase and Offal due to improper bleeding and inflammation.
One Sheep Carcase and Offal due to arthritis and oedema.

One Sheep Carcase and Offal due to multiple abscesses.
One Sheep Carcase and Offal due to abscesses, imperfect bleeding and emaciation.

CYSTICERCUS BOVIS

One Cow Carcase was found to be affected with viable Cysticercus Bovis and was sent for cold storage treatment.

SUMMARY OF CASES OF CYSTICERCUS BOVIS FOR THE YEARS 1954 - 1968

Animal	1954-1963	1964	1965	1966	1967	1968	Total
Steers	69	3	5	2	-	-	79
Heifers	15	1	1	-	-	-	17
Bulls	1	-	-	-	-	-	1
Cows	17	2	-	2	3	1	25
	102	6	6	4	3	1	122

Food and Drugs Act, 1960

Ice-Cream

Due to this district being a summer holiday area there is during the period April-October an increase in sales of food, drink, snacks, meals and ice cream. This is reflected by the number of premises selling ice cream, as below:-

Total number of premises that have been registered ..	167
Number of the above premises included for the manufacture of ice-cream	1

Food Hygiene

Premises

There are some 212 food premises within the Rural District to which Food Hygiene (General) Regulations 1960 applied. The respective number of each type of these premises are itemised as follows:-

Cafes and snack bars	30
Butchers Shops	7
Fish and Chip Shops	4
Bakehouses	3
Hotels	25
Public Houses and Inns	25
Grocery and General Stores	118
TOTAL	212

Food and Drugs Act, 1955

Food Condemnations

The articles in column 1 were found, upon examination, to be unfit for the reasons outlined in column 2.

Articles Condemned	Reasons for Condemnation
2 x 11 lb. tins of "Ye Olde Oak" ham, Dutch product	Putrefaction
1 x 11 lb. tin of "Plumrose" pork shoulder	
1 x 9 lb. 10 oz. tin of "Globus" boneless mild cured cooked ham	Decomposed
1 x 5½ lb. tin of corned beef	
50 lbs. of short pastry	Contained glass following damage to the shop by a vehicle.

SECTION F

GENERAL EPIDEMIOLOGY

PUBLIC HEALTH REGULATIONS - INFECTIOUS DISEASES 1968

These regulations were made under the Health Service Public Health Act, 1968 and amended the list of diseases notifiable to the Medical Officer of Health in previous Public Health Acts. The changes meant that the diseases no longer notifiable are:-

Acute Primary Pneumonia, Acute Influenzal Pneumonia,
Acute Rheumatism and Puerperal Pyrexia.

and those notifiable for the first time in England and Wales are:-

Tetanus, Yellow Fever and Leptospirosis.

The total number of Infectious Diseases notified during 1968 was 40 compared with 442 in 1967. This is accounted for by the decrease in the cases of Measles.

Puerperal Pyrexia

One case occurred in a hospital confinement of a Kerrier resident.

Dysentery

The disease was not prevalent in the Rural District during 1968.

Salmonella

During the period July - October a number of widely dispersed cases of Diarrhoea and Sickness came to the notice of the Medical Officer of Health. One schoolboy being infected with Salmonella Typhimurium and a young person was ill with Salmonella Panama contracted in the London area. In both instances 4 courses of anti-biotics were needed to clear up the temporary carrier state.

Meningitis

At the end of the summer term 2 school children from one family were admitted to hospital with signs and symptoms of Meningitis. The causal organism was not identified. The family contacts were not found to be carriers but three members of the family who were food handlers were excluded from work pending satisfactory tests.

3 other young adults developed a similar illness with intense headache. Specimens for virology were negative.

German Measles

The disease was prevalent in schools in the Landewednack, Breage and Constantine parishes during the first half of the year. Cases built up slowly in January and February and reached a peak in April, slowly subsiding in June and July.

Measles

Following the measles epidemic last year 16 cases were notified in the third quarter of the year. Including the single case in January none had been vaccinated against the disease. Since the introduction of the protective vaccination at Easter 823 children have been protected.

Brucellosis

During the year 36 herd samples of milk were taken from retail producers in the District. This disease was notified in two herds whose milk supplies were diverted for pasteurisation under the Milk and Dairy Regulations.

One case of Human Brucellosis occurred in a young farmer whose milking herd was infected. The source of infection was drinking raw milk.

Under the Ministry of Agriculture, Fisheries and Food Accreddited Herd Scheme, 8 herds in the Rural District had been admitted into the Scheme by the end of 1968.

Anthrax

Under the Anthrax Order (1950) 20 notices declaring and defining infected places were received. In three instances this was confirmed, but in the other 17 cases the suspicion of Anthrax in animals was not confirmed by the Veterinary Surgeon.

Smallpox

One family were kept under surveillance during the year. They had come into the country from a smallpox area.

Tuberculosis

The case incidence of pulmonary tuberculosis was 2, this is 0.09 per 1,000 of the population. Eight contacts of this new notification were investigated, giving a contact rate of four persons per notified case.

The table below shows the type of contact investigated. Two adults refused.

Pre-School	School	Adolescent	Adults	Others
1	1	-	6	-

Tuberculosis Register

		Males	Females	Total
No. of cases on T.B. Register at commencement of year	Respiratory	53	24	77
	Non-Respiratory	9	11	20
No. of cases on T.B. Register at the end of the year	Respiratory	46	22	68
	Non-Respiratory	9	10	19
Removals from Register during Year and Reasons				
Removed from district	Respiratory	2	-	2
	Non-Respiratory	-	-	-
Recovered	Respiratory	4	3	7
	Non-Respiratory	-	2	2
Died	Respiratory	3	-	3
	Non-Respiratory	-	-	-

Contact Tracing and Protection

During 1968, 18 persons were given B.C.G. by the Chest Physician being contacts of persons suffering from tuberculosis.

School Children Protection

B.C.G. Vaccination of School Children in Helston Schools

		Helston Sec. Mod.	Gwealhellis Sec. Mod.	Helston Grammar	TOTAL
Estimated number in Age Group		95	120	91	306
Consents	Number	93	114	87	294
	Percentage	97.9	94.99	95.61	96.07
Given Skin Test	Number	89	107	85	281
	Percentage	95.7	93.87	97.70	95.59
Positive Reactors	Number	13	4	8	25
	Percentage	14.61	3.74	9.41	8.9
Negative Reactors given B.C.G.		64	94	71	229
Number absent at time of reading		9	3	3	15

Notification from Schools

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	TOTAL
German Measles	3	3	28	35	27	25	14	-	-	-	-	2	137
Meningitis	-	-	-	-	-	-	1	-	-	4	-	1	6
Mumps	-	-	-	-	-	-	1	-	-	-	-	-	1
Impetigo	-	-	-	-	-	-	-	-	-	3	-	-	3
Jaundice	-	-	-	-	-	-	-	-	-	1	-	-	1
Ringworm	-	-	-	-	2	-	-	-	-	1	-	-	3
Measles	-	1	-	-	2	-	-	-	2	-	-	-	5
Chicken Pox	-	-	-	-	-	5	9	-	-	-	-	-	14
Influenza	-	-	2	-	-	-	-	-	-	-	-	-	2
Virus Infection	-	-	2	-	-	-	-	-	-	-	-	-	2

Notification of Infectious Diseases during 1968

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	TOTAL
Pulmonary Tuberculosis	1	-	-	-	-	-	-	-	1	-	-	-	2
Non-Pulmonary Tuberculosis	-	-	-	-	-	-	-	1	-	-	-	-	1
Measles	1	-	-	-	-	5	4	2	4	-	-	-	16
Dysentery	-	-	-	-	-	-	-	1	-	-	-	-	1
Pneumonia	1	2	6	-	-	1	-	-	-	-	-	-	10
Whooping Cough	-	-	-	-	-	2	-	-	1	-	-	-	3
Meningitis	-	-	-	-	-	-	2	-	-	-	-	-	2
Inf. Hepatitis	-	-	-	-	-	-	-	-	-	2	-	-	2
Puerperal Pyrexia	-	-	-	-	-	-	-	1	-	-	-	-	1
Salmonella Typhimurium	-	-	-	-	-	1	-	-	-	-	-	-	1
Salmonella Panama	-	-	-	-	-	-	-	-	-	1	-	-	1

Notification of Diseases by age groups

Disease	AGE GROUPS Under 1	1 - 3	4 - 5	6 - 9	10-14	15-24	25 & over	age unknown	Total 1968	Total 1967	Increase or Decrease
Pulmonary Tuberculosis	-	1	-	-	-	-	1	-	2	1	+ 1
Non-Pulmonary Tuberculosis	-	-	-	-	-	-	1	-	1	2	- 1
Measles	-	5	6	2	2	1	-	-	16	420	-404
Dysentery	-	-	1	-	-	-	-	-	1	2	- 1
Pneumonia	-	-	-	-	-	-	2	8	10	7	+ 3
Whooping Cough	-	-	1	1	-	-	-	-	2	7	- 5
Inf. Hepatitis	-	-	-	-	-	1	1	-	2	-	+ 2
Meningitis	-	-	-	1	1	-	-	-	2	-	+ 2
Puerperal Pyrexia	-	-	-	-	-	-	1	-	1	-	+ 1
Salmonella Typhimurium	-	-	-	1	-	-	-	-	1	-	+ 1
Salmonella Panama	-	-	-	-	-	1	-	-	1	-	+ 1

Printed by Cornwall County Council, County Hall, Truro.